

PENDING CLAIMS AS AMENDED

Please amend the claims as follows:

1. (Currently Amended) A method for providing mobility within a network comprising the steps of:

transferring an anchor point, comprising

setting up another anchor point;

transmitting an OSPF link state advertisement at predetermined intervals; and

deleting said anchor point each time a session between an access terminal and the network ends. [[.]]

2. (Previously Presented) The method of Claim 1, wherein said link advertisement contains:

a low cost associated with the routing of packets having an IP address of said remote system; and

an age field that is set to a value lower than a maximum age.

3. (Currently Amended) A remote terminal apparatus for providing mobility within a network comprising:

a component adapted to transfer an anchor point that sets up another anchor point; delete said anchor point each time a session between an access terminal and the network ends, and transmits advertisements at predetermined intervals;

wherein said advertisements indicate that packets having a destination IP address equal to that of the IP address of said remote terminal should be delivered to said remote terminal; and

wherein the age field values of said advertisements are lower than a maximum age.

4. (Original) The apparatus of Claim 3, further comprising a user interface that allows the intervals at which said link advertisements are transmitted to be changed.

5. (Original) The method of claim 4, wherein said advertisements are OSPF link state advertisements.

6. (Previously Presented) The method according to claim 1, wherein said step of transferring an anchor point further comprises:

deactivating resources associated with said anchor point; and  
initializing said another anchor point.

7. (Previously Presented) The method according to claim 1, wherein said step of transferring an anchor point further comprises:

changing intervals at which said link advertisements are transmitted.

8. (Currently Amended) The method according to claim 1, wherein said step of transferring an anchor point further comprises:

setting a first timer representing the maximum amount of time it should take for a low cost route to propagate throughout a the network; and

sending an ARP message informing entities that all packets with a destination address of said anchor point may be sent to an address of said another anchor point.

9. (Currently Amended) The method according to claim 1, wherein said step of transferring an anchor point further comprises:

deactivating resources associated with said anchor point;

initializing said another ~~aeess~~ anchor point;

changing intervals at which said link advertisements are transmitted;

setting a first timer representing the maximum amount of time it should take for a low cost route to propagate throughout a the network; and

sending an ARP message informing entities that all packets with a destination address of said anchor point may be sent to an address of said another anchor point.

10. (Previously Presented) The remote terminal apparatus according to claim 3, wherein said component is further adapted to:

deactivate resources associated with said anchor point; and  
initialize said another anchor point.

11. (Previously Presented) The remote terminal apparatus according to claim 3, wherein said component is further adapted to:

change intervals at which said link advertisements are transmitted.

12. (Currently Amended) The remote terminal apparatus according to claim 3, wherein said component is further adapted to:

set a first timer representing the maximum amount of time it should take for a low cost route to propagate throughout a the network; and

send an ARP message informing entities that all packets with a destination address of said anchor point may be sent to an address of said another anchor point.

13. (Currently Amended) The remote terminal apparatus according to claim 3, wherein said component is further adapted to:

deactivate resources associated with said anchor point;

initialize said another ~~access~~ anchor point;

change intervals at which said link advertisements are transmitted;

set a first timer representing the maximum amount of time it should take for a low cost route to propagate throughout a the network; and

send an ARP message informing entities that all packets with a destination address of said anchor point may be sent to an address of said another anchor point.

14. (Previously Presented) A means for providing mobility within a network comprising:

means for transferring an anchor point, comprising

means for setting up another anchor point;

means for transmitting an OSPF link state advertisement at predetermined intervals; and

means for deleting said anchor point each time a session between an access terminal and the network ends.

15. (Previously Presented) The means for providing mobility within a network according to claim 14, wherein said means for transferring an anchor point further comprises:

means for deactivating resources associated with said anchor point; and

means for initializing said another anchor point.

16. (Previously Presented) The means for providing mobility within a network according to claim 14, wherein said means for transferring an anchor point further comprises:

means for changing intervals at which said link advertisements are transmitted.

17. (Currently Amended) The means for providing mobility within a network according to claim 14, wherein said means for transferring an anchor point further comprises:

means for setting a first timer representing the maximum amount of time it should take for a low cost route to propagate throughout a the network; and

means for sending an ARP message informing entities that all packets with a destination address of said anchor point may be sent to an address of said another anchor point.

18. (Currently Amended) The means for providing mobility within a network according to claim 14, wherein said means for transferring an anchor point further comprises:

means for deactivating resources associated with said anchor point;

means for initializing said another access point;

means for changing intervals at which said link advertisements are transmitted;

means for setting a first timer representing the maximum amount of time it should take for a low cost route to propagate throughout a the network; and

means for sending an ARP message informing entities that all packets with a destination address of said anchor point may be sent to an address of said another anchor point.

19. (New) The method of claim 1, wherein the step of deleting comprises deleting an instance of a dedicated controller in a modem pool controller (MPC).

20. (New) The method of claim 1, wherein the step of deleting comprises deleting an instance of a dedicated transmitter in a modem pool transceiver (MPT).